# **Product datasheet**





Circuit breaker frame, MasterPact NW08H1, 800A, 65kA/440VAC 50/60Hz (Icu), 4 poles, drawout, without control unit

48238

### Main

Range	MasterPacT
Product Name	MasterPact NW
Circuit Breaker Name	MasterPact NW08H1
Product Or Component Type	Circuit breaker
Device Application	Power distribution protection
Poles Description	4P
Neutral Position	Left
Control Unit	Without control unit
[In] Rated Current	800 A at 40 °C
Performance Type	H1 65 kA 440 V AC
[Ue] Rated Operational Voltage	690 V AC 50/60 Hz
Suitability For Isolation	Yes conforming to EN/IEC 60947-2
Selectivity Category	Category B
Control Type	Push-button
Mounting Mode	Drawout

### Complementary

[Icu] Rated Ultimate Short-Circuit Breaking Capacity	65 kA at 220/415 V AC 50/60 Hz 65 kA at 440 V AC 50/60 Hz 65 kA at 525 V AC 50/60 Hz 65 kA at 690 V AC 50/60 Hz
[Ics] Rated Service Breaking Capacity	65 kA at 220/415 V AC 50/60 Hz 65 kA at 440 V AC 50/60 Hz 65 kA at 525 V AC 50/60 Hz 65 kA at 690 V AC 50/60 Hz
[Icw] Rated Short-Time Withstand Current	65 kA 1 s 36 kA 3 s
[Icm] Rated Short-Circuit Making Capacity	143 kA 220/415 V AC at 50/60 Hz 143 kA 440 V AC at 50/60 Hz 143 kA 525 V AC at 50/60 Hz 143 kA 690 V AC at 50/60 Hz
Sensor Rating	400 A 800 A
[Ui] Rated Insulation Voltage	1000 V AC 50/60 Hz
[Uimp] Rated Impulse Withstand Voltage	12 kV
Power Dissipation In W	100 W

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Maximum Breaking Time	25 ms
Maximum Closing Response Time	70 ms
Mounting Support	Backplate
	Rails
Upside Connection	Front
	Rear
Downside Connection	Front
	Rear
Connection Pitch	115 mm
Mechanical Durability	12500 cycles without maintenance
	25000 cycles with maintenance
Electrical Durability	10000 cycles 440 V AC 50/60 Hz without maintenance conforming to EN/IEC
	60947-2
	10000 cycles 690 V AC 50/60 Hz without maintenance conforming to EN/IEC 60947-2
	AC-23A: 10000 cycles 440 V AC 50/60 Hz without maintenance conforming to EN/
	IEC 60947-3
	AC-23A: 10000 cycles 690 V AC 50/60 Hz without maintenance conforming to EN/
	IEC 60947-3
	AC-3: 6000 cycles 440/690 V AC 50/60 Hz without maintenance conforming to EN/ IEC 60947-3
	439 mm
Width	556 mm
Depth	395 mm
Net Weight	120 kg
Standards	EN/IEC 60947-1
	EN/IEC 60947-2
Product Certifications	CE
	CCC
	EAC

### **Environment**

Ip Degree Of Protection	IP30 conforming to IEC 60529
Pollution Degree	4 conforming to IEC 60664-1
Ambient Air Temperature For Operation	-2570 °C
Ambient Air Temperature For Storage	-4085 °C
Operating Altitude	02000 m without derating 2000 m5000 m with derating

## **Packing Units**

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	30.5 cm
Package 1 Width	29.5 cm
Package 1 Length	49.5 cm
Package 1 Weight	47.654 kg

## **Contractual warranty**

Warranty 18 months



**Green Premium**<sup>TM</sup> **label** is Schneider Electric's commitment to delivering products with best-inclass environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO<sub>2</sub> products.

**Guide to assessing product sustainability** is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

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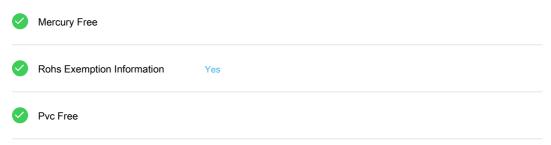
Guide to assess a product's sustainability >





Transparency RoHS/REACh

### Well-being performance



#### **Certifications & Standards**

Reach Regulation	REACh Declaration
Eu Rohs Directive	Compliant with Exemptions
China Rohs Regulation	China RoHS declaration  Product out of China RoHS scope. Substance declaration for your information
Environmental Disclosure	Product Environmental Profile
Weee	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins
Circularity Profile	End of Life Information